



OFFICIAL PUBLICATION OF
THE AMERICAN INSTITUTE OF
PROFESSIONAL GEOLOGISTS

THE PROFESSIONAL GEOLOGIST

VOLUME 17, No. 2

February, 1980

17th ANNUAL MEETING September 24-27, 1980
Mobile, Alabama

AIPG - A GLIMPSE INTO THE FUTURE

AIPG started on a defensive note in response to the need for an organization to represent professional geologists in California in legislation leading to registration of geologists. Registration of geologists still is a large part of AIPG's *raison d'être*. Yet AIPG has always been more than this, because its founders saw a greater area of professional needs. Committees on professional employment, ethics, guides, legislation and regulation, and employment standards define many of AIPG's earliest interests.

Recently, particularly under President Bud Rue's leadership, AIPG has become more involved with coordination with other geologic societies whose concerns are more in scientific or technical areas. In addition, professional matters of primary concern to teachers and to consultants are now being addressed at annual meetings. These broadening trends are healthy and should continue.

The success of such programs is shown by the growing strength of AIPG during 1979 when we had by far the greatest rate ever of applications for membership.

When thinking of what AIPG can (and should) do for its members, we must remember that its members are drawn from government, industry, academia and consulting. However, things which might be helpful for a geologist in industry may be of little direct value to a geologist in academia. Some academic geologists might ask: what good are they for me? An alternate perspective, one which I think most members of AIPG have, is that when we help one group of geologists, we help all geologists by strengthening the profession as a whole. At the same time, AIPG should address itself toward helping all geologic professionals to whatever extent which is practical. Within this context, the Executive Committee on January 12 and 13, 1980 considered the following items:

- (1) An employment service for geologists. We hope to implement a professor and student summer job program as a first step.
- (2) A library research service through which geologists now working in remote areas without

library facilities can get access to pertinent literature. This discussion resulted in Russ Slayback's volunteering to write an article for TPG about where such services are available.

(3) A medical and/or professional liability insurance program. We will try to define the cost of such programs along with the need for them during 1980.

(4) An AIPG serial publication about professional matters. This will be discussed through the year.

(5) Speakers Bureau. The public is becoming more interested in geology because the public increasingly sees its importance. AIPG could be very important in keeping the public informed.

(6) Public Policy Conferences. Environmental and mineral, energy and water resource policy conferences may be formally sponsored by AIPG and the proceedings published. We anticipate that the annual meeting in Mobile this year will be such a conference. Actually, the concept is a natural evolution from the excellent themes and presentations of the annual meetings in Albuquerque and Lafayette.

(7) AIPG Foundation. The purpose of the AIPG Foundation is to obtain a mechanism for funding research and education in professional matters and public policy. The foundation should be formalized sometime this Spring.

(8) Public Relations. AIPG has now retained Ms. Ruth Anna to coordinate public relations work for the Institute. She will be concerned initially with the preparation of an AIPG brochure and with publicizing the conference on March 10 with members of Congress in Washington.

Clearly, AIPG is expanding its services to its members and to the public. The Executive Committee is looking for more ideas from the members. Ideas about new things which may be of value or better ways of doing the old will be much appreciated. All ideas will be considered seriously by the Executive Committee.

James R. Dunn, President

BUSINESS AFFAIRS OF THE INSTITUTE

Annual Meetings:

17th Annual Meeting - Mobile, Alabama
 September 24 - 27, 1980
 General Chairman: Jack H. Bryan
 Headquarters Hotel: Hilton Inn-Mobile

Other Annual Meetings:

18th Annual Meeting - Williamsburg, Virginia
 November 5 - 7, 1981
 General Chairman: John Kent Kane II

19th Annual Meeting - Pasadena, California
 October 13-16, 1982 (NOTE: DATES NOW SET)
 General Chairman: Howard T. Anderson

20th Annual Meeting - Jackson, Wyoming
 (DATES NOT SET AS YET)

AIPG NATIONAL COMMITTEES

AGI Governing Board Representative

James R. Dunn

Annual Meetings Committee

A. Wayne Wood, Chairman

Awards Committee

Adolf U. Honkala, Chairman

Consultants Committee

Russell G. Slayback, Chairman

Employment Survey Committee

Wallace B. Howe, Chairman

Environmental Geology Committee

Paul DuMontelle, Chairman

Ethics Committee

Rudolph K. Hoagberg, Chairman

External Appointments Committee

Raymond C. Robeck, Chairman

Headquarters Committee

Andrew G. Alpha

Jay G. Marks

John D. Pruitt

Historian

George W. White

Legal Action Committee

Fred L. Stead, Chairman

Legislative & Regulatory Committee

Russell Wayland, Chairman

William E. Cutcliffe, Vice Chairman

Membership Committee

Richard A. Wasteney, Chairman

National Research Council Representative

Larry L. Sloss

Nominating Committee

Edward E. Rue, Chairman

Policy Board

M. O. Turner, Chairman

Professional Guides Committee

Daniel N. Miller, Jr., Chairman

Public Affairs Committee

Bob Paschall, Chairman

Registration Alert Committee

William E. Cutcliffe, Chairman

APPLICATIONS RECEIVED

ALThER, George R.; Ferndale, MI
 W. Dixon; D. L. Gross; E. C. Dapples; K. Teague;
 D. Rath; D. Stazy; L. Rudisili

FIFE, Donald L.; Tustin, CA
 H. Anderson; C. Gray; P. Morton; R. Sydnor;
 R. Shlemon

HAGER, Bobby D.; Hager Hill, KY
 J. Avila; L. R. Ponsetto; P. J. Brown; P. M. Miles;
 D. W. Reynolds

HALL, Daniel W.; Cross Plains, WI
 C. W. Fetter; J. Hoffmann; E. Updike; H. Pincus;
 D. S. Cherkauer

HENTHORNE, Jay G., Jr.; Wooster, OH
 J. R. Ebright; D. A. Waldron; G. G. Shearrow;
 R. W. Manus; G. J. Kostka

HILL, Jay J.; Ashland, KY
 D. B. Tait; G. B. French; F. R. Scheerer; J. Avila
 N. Stellevato

JENSKY, Wallace A., II; Thousand Oaks, CA
 T. L. Bear; W. W. Solter; G. D. Bell; J. R. Jackson;
 J. C. Crowell

JONES, Richard L.; Norman, OK
 J. Fryberger; W. Bellis; H. Blatt; J. Wickham; D.
 Sibley

KARNAUSKAS, Robert J.; Madison, WI
 D. R. Viste; M. P. Anderson; D. Nichols; C. Fetter;
 E. Updike

LYNCH, Ronald S.; S. Daytona, FL
 D. P. Spangler; A. Krietman; M. P. Brown; V. P.
 Amy; G. G. Parker

McGUIRE, Mary K.; Baden, PA
 R. P. Briggs; D. Senovich; J. Wigal; M. Williams;
 S. S. Lutz

MINKEL, Michael J.; Lakewood, CO
 R. C. Johnson; R. B. Frahme; R. F. Hartmann;
 S. P. Collings; W. L. Husk

PETERSON, Rex M.; Lincoln, NE
 S. E. Collins; J. B. Gustavson; R. R. Miller; J. V.
 Taranik; D. Pedersen; W. Wayne

SMITH, Wendall B.; Tampa, FL
 R. C. Fountain; G. G. Parker; F. A. DeLuca; W. E.
 Wilson; S. Upchurch

STRAUSBERG, Sanford I.; Westport, CT
 F. H. Crum; R. G. Slayback; G. S. Fox; J. B.
 Graham; E. T. Simmons

TRIMBLE, Larry M.; Layton, UT
 H. Doelling; L. I. Perry; A. D. Smith; H. R. Ritzma;
 R. F. Holland

TUREK, Frank S.; Phoenix, AZ
 W. Greenslade; T. L. Pewe; H. C. Tognoni; B. A.
 Silver; D. Cook; P. J. Murphy

If any Member has any recommendations, positive or negative regarding the qualifications of any of the above applicants, please mail your comments to General Headquarters within 30 days. Your comments will be held confidential within the Executive Committee and Screening Board of the local Section.

NEW MEMBERS

BARTLETT, Charles S., Jr.; #4634 Abingdon, VA
BERGER, Roger J.; #4635 Youngsville, LA
BUHRMAN, Calvin W.; #4636 Tulsa, OK
COPLEY, David L.; #4637 Buffalo, NY
CUNNYNGHAM, Earl F.; #4638 Oklahoma City, OK

NEW MEMBERS (Cont.)

DREHER, Alan L. #4639 Aurora, CO
EDWARDS, Jimmy Reid #4640 West Palm Beach, FL
GASTREICH, Kent D. #4641 St. Louis, MO
GREENBERG, Redge L. #4642 Austin, TX
HALL, Stephen H. #4643 Casper, WY
JOHNSON, Larry Lester #4644 Champlin, MN
KEITH, Robert E. #4645 Lakewood, CO
LAUDON, Robert C. #4646 Dallas, TX
MAURER, Irvin L. #4648 Hubbard, OH
McCLUNG, Phillip J. #4647 Belington, WV
MOOSE, Alan B. #4649 Scottsdale, AZ
MORTON, John D. #4650 Ontario Canada
PETERSEN, George E. #4651 Topeka, KS
PINKER, Robert W. #4652 Olathe, KS
RIFE, David L. #4653 Englewood, CO
ROWE, Winthrop A. #4654 Denver, CO
SIKORA, Gerald S. #4655 Beacon Falls, CT
SMITH, Earl W. #4656 Norman, OK
THOMPSON, Dan A. #4657 Tuscaloosa, AL
VAN DER POEL, W. I. III #4658 Missoula, MT

Please take a moment and welcome these new members. If they are in your area, give them a call - if not, drop them a note. This can go a long way in helping to strengthen our Institute.

A NOTE FROM YOUR EDITOR

The December and January issues of The Professional Geologist have, as you no doubt noticed, been late. I apologize for this and certainly hope that it will not happen again. It seems that the Holiday Season and an extended period of field work of my own just got in the way. With the February issue we should be back on schedule. Thanks for your patience.

A very recent issue of Context (No. 3/1979, Vol. 8, No. 3) published by Du Pont is devoted to government regulation. This is an excellent issue and is devoted to many aspects of regulation. If you can't find a copy, you might write to Mr. James Murphy, editor, Du Pont Context, in care of E. I. du Pont de Nemours and Company, Wilmington, DE 19898. The coverage is excellent.

1980 DUES STATEMENTS

1980 Institute dues were due on January 1, 1980. The deadline, to avoid delinquency, is March 31, 1980. After that date there will be a \$10.00 late penalty. Your dues payment prior to that date will be greatly appreciated.

DUES SUPPORT COMMITTEE

Support for the new Dues Support Committee has been high. The Institute appreciates this show of support from the membership. The names of the members of the 1979 Dues Support Committee will be printed in the 1980 Membership Directory which will be printed during February, 1980. The total amount raised from Dues Support as of December 31, 1979 is \$8,500.00

PROFESSIONAL PARAGRAPHS

Harold J. Bissell, CPGS 1335 The July 1979 issue of Geology Studies of Brigham Young University contains several interesting papers on geology in the western U. S. Of equal and perhaps greater importance is the fact that this issue is dedicated to Professor Harold J. Bissell. This occasion was Harold's retirement from the faculty at Brigham Young University. The term retirement is one really not appropriate to a person of Harold's ambition, geologic abilities and personality. He has continued to be extremely active as any of us know who have been fortunate enough to have had contact with him since his supposed retirement.

If you are in the area of Provo, Utah, stop in to the Geology Department where I'm sure you can meet Harold and if he happens to be out, you can see the magnificent portrait which was presented in honor of his retirement. I understand that the artist has faithfully reproduced one of Harold's infamous neckties which may or may not be a credit. Congratulations and best wishes to Professor Bissell.

Charles J. Mankin CPGS 1415 has been named Director of the Energy Resource Center at the University of Oklahoma at Norman, Oklahoma. Dr. Mankin, as you know, is Director of the Oklahoma Geological Survey and he now has these additional duties. We wish him well as he undertakes the job of guiding the Center in its major goal of providing new knowledge designed to supply answers to some of the state's and our nation's energy problems.

Thomas J. Joiner CPGS 2018, current chairman of the Manpower Commission of the American Geological Institute is also chairing a subcommittee examining the Specialty Codes published in the Geoscience Departments directory. Four other experts in the geosciences assisting Joiner on the Specialty Codes Subcommittee are Allen Agnew (CPGS 240), Joseph Berg, National Academy of Sciences; James Brown, National Science Foundation, and Tom Dutro, U. S. Geological Survey.

The subcommittee has been charged to "explore with staff those changes taking place in the geosciences, particularly in the area of new specialties or new sub-disciplines, to revise the present specialty codes so that they will accomodate all major subdivisions of our expanding profession."

According to Joiner, "This assignment is an effort to maintain an up-to-date classification of the earth science disciplines and will assist in assessing the needs and availability of students in the geosciences."

We wish Tom Joiner and his subcommittee the very best of luck in their assignment.

Raymond B. Stroud CPGS 1710, became the full-time director of the Arkansas Mining & Mineral Resources Institute on January 1, 1980. The Institute was established by the Arkansas Tech Board of Trustees. The Institute was charged with the responsibility of planning and conducting investigations, demonstrations, and experiment of either a basic or applied nature, or both, in relation to mining and mineral resources and to provide for the education and training of miners, mine operators, mineral engineers and scientists through such efforts.

We wish Ray the very best of luck with the Arkansas Mining & Mineral Resources Institute.

Congressman Robert L. Livingston of the 1st District, Louisiana has given us permission to reprint the following letter which he wrote to the President of CBS Incorporated. We are trying to obtain permission to reprint the answer which Congressman Livingston received to his letter. As of this moment we do not have that permission but we felt it important to get this letter out to you. It is extremely interesting and I think something which the general public is not generally informed about. We will keep you posted on this and let you know what happens.

Editor

Congress of the United States
House of Representatives
 Washington, D.C. 20515

November 6, 1979

Mr. John Backe, President
 CBS, Inc.
 51 West 52nd Street
 New York, NY 10019

Dear Mr. Backe:

As indicated in my letter of July 17, 1979 (copy enclosed) to Mr. Neil Derrough, Vice President and General Manager, I was greatly disturbed by the fact that the Kaiser Aluminum Company was denied the right by all three major television networks to purchase television viewing time for certain commercials depicting the benefits of and potential threats to the free enterprise system. While NBC and ABC promptly answered similar letters, my files do not show that an answer from your company was received.

I now ask that you not only answer my original request, but that you also respond to the charges contained in the two pages of advertisements in The Washington Post, on Tuesday, November 6, 1979, on Pages A 18 and 19, as posed by the Mobil Oil Company.

Refusal to publish opinions of others who may disagree with you is one thing, although not too admirable in my opinion, in view of the dominion over the air waves that CBS, ABC and NBC jointly enjoy; but, distortion of the news is something altogether different. I shall not prejudge your actions until I see your response in detail to every one of Mobil's allegations. I do suggest to you, however, that in none of the press releases that I saw or heard on any national radio or television network production did I hear an attempt to point out to the American people the actual profits of any oil company in terms of percent of return on dollars invested. Nor, did I hear any attempt by the media to break down total profit figures in terms of return on American investments versus return on foreign investments.

Instead, what I heard constantly was the distorted and misleading statement that an oil company's profits in the third quarter of 1979 amounted to X% (generally from 100% to 200%) of those received in the third quarter of 1978. This says really nothing since if, in 1978, profits were exceptionally low, it would not be unusual for any company to double or even triple profits of the preceding year. Thus, the figures 100%, 200% and 300% are highly inflammatory, but not particularly unusual or even newsworthy.

Just to put your sensational views of oil company profits into perspective, I took the liberty of checking the journals of a nationally known investment research service for a comparison of past earnings to those of the top 3 oil companies. I found the following:

	Texaco	Mobil	Exxon	CBS
	(earnings per share)			
1978	\$3.14	\$5.31	\$6.20	\$7.15
1977	3.43	4.75	5.41	6.50
1976	3.20	4.54	5.90	5.75
1975	3.06	3.98	5.59	4.30
1974	5.84	5.11	7.02	3.80
	(Return on Equity)			
1978	9.0%	12.7%	13.4%	24.3%
1977	9.9%	12.2%	12.3%	25.3%
1976	9.7%	12.6%	14.4%	25.5%
1975	9.6%	11.8%	14.8%	22.3%
1974	18.4%	16.7%	20.5%	22.7%

If you will recall, 1974 was a year of recession, and it also happened to be the first year that Americans began hearing of the "great oil rip-off" being perpetrated by the oil companies.

Since then, through 1978, we have been considered by economists as being in a generally expanding economy. You should note from the last column on the far right that CBS has profited quite handsomely during that period, while the oil companies haven't done nearly so well.

Now, of course, your own earnings reports for 1979 are not yet in, but it is obvious that because of the energy shortage, the oil companies have done quite well. In view of the comparative figures for the last five years, however, they are still going to have to do exceptionally well to catch up with CBS.

Going further, I have determined that the CBS return on equity for the past five years has exceeded that of the great computer giant, IBM, which the Justice Department is currently trying to break up into smaller companies. It is also greater than that of the drug manufacturing giant, Eli Lilly.

The facts are available for public inspection, but unless CBS reports the full picture on their newscasts, it stands convicted of the very offense charged by Mobil Oil in their newspaper ad -- distortion of the news.

I hope you will rectify this situation. I ask that you answer my original letter inquiring about the Kaiser incident, and that you respond in detail to the Mobil Oil charges. Furthermore, I would appreciate receiving answers to the following questions:

1. What were the actual profits of CBS in the third quarter of 1979?
2. What were the actual profits of CBS in the third quarter of 1978?
3. What was the percent of return on equity in before tax dollars for CBS in the third quarter of 1979 and in the entire year 1979 (January to date)?

4. Will you be willing to announce your own profit figures in terms of actual percentage of return on equity in comparison to those of the top 20 oil companies and broadcast that comparison on your network newscast?

Your reply is eagerly awaited.

With best wishes,

Sincerely,

/s/ Robert L. Livingston
Member of Congress

MEETINGS AND SHORT COURSES

Uranium Geology and Exploration

A three-day short course in Uranium Geology and Exploration is to be offered twice: March 12-14 and May 21-23, 1980, by Dr. Richard H. DeVoto of the Colorado School of Mines. The course covers: a) The geochemistry and geology of uranium, b) The mechanisms important in the generation of anomalous uranium concentrations, c) The many geologic environments favorable for the formation of economic and sub-economic uranium deposits, d) The geology and geochemistry of the principal uranium districts of the world, and e) exploration techniques and programs. Registration fee is \$300.

For information regarding the course, contact the office of Continuing Education, Colorado School of Mines Golden, CO 80401 Telephone (303) 279-0300 ext. 2321.

U.S. DOE Environmental Control Symposium

Plenary topic: How the National Energy Plan and Environmental Goals Drive DOE Environmental Control Activities. Symposium will be held March 17-19, 1980 at the Sheraton International Conference Center, Reston, Virginia.

For additional information, contact Ms. Miriam Holden, Director, Conference Planning and Management, Argonne National Laboratory, 9700 S. Cass Avenue, Building 223, Argonne, IL 60439. (312) 972-5585.

Current Coal Conversion Process Technology

Topic: Current Coal Conversion Process Technology Liquefaction/Gasification; H-Coal, COGAS, SRC-I, SRC-II, K-T Process. A three/four/five day intensive course. To be held March 10-14, 1980 in Central New Jersey.

For further information write: For Registration/Hotel Information Only: Mrs. Edith Webb P. O. Box 964, E. Brunswick, NJ 08816. For other requests: Ms. Mary Sobin, Information Services, P. O. Box H, E. Brunswick, NJ 08816. Telephone (201) 249-1400.

3rd International Symposium on Arctic Geology

The Canadian Society of Petroleum Geologists announces the Third International Symposium on Arctic Geology to be held at the Calgary Convention Centre, Calgary, Alberta, Canada on June 28 through July 1, 1981.

The First International Symposium on Arctic Geology took place in Calgary in 1960 and was followed by an equally successful Second International Symposium

in San Francisco in 1971. Like these earlier meetings, it is our hope that the Third Arctic Symposium will be truly international in scope, and the C.S.P.G. requests the cooperation of all Geological institutions and of all countries with Arctic interests in meeting this objective.

It appears certain that the decade of the 1980's will be one of accelerated development of Arctic resources. The Third Arctic Symposium will therefore be designed to review progress during the preceding two decades and to forecast patterns of development during the 1980's, not only for petroleum and natural gas, but also for coal and metallic minerals. Reviews of Arctic and sub-Arctic geology will be supplemented by presentations covering environmental and technological aspects of resources development in the Arctic.

Inquiries may be directed to the General Chairman, c/o Brunswick Resources, Ltd., Suite 401, 633 Sixth Avenue SW, Calgary, Alberta, CANADA T2P 2Y5; or to the Program Chairman, c/o Panarctic Oils Ltd., P. O. Box 190, Calgary, Alberta, CANADA T2P 2H6.

Symposium on Role of Laboratory Methods in Hydrogeologic Investigations

The availability and use of numerical simulation models for analysis of ground-water flow and solute-transport problems have proliferated in the past few years. A major problem now is to adequately determine values for the parameters or coefficients required for these models. Can some or all of these parameters be measured reliably in the laboratory? How many samples are needed to represent variability in the field? Is it meaningful to use the laboratory value of a parameter in a regional synthesis or simulation?

A special session on the role of laboratory methods in hydrogeologic investigations will be held as part of the Spring Annual Meeting of the American Geophysical Union to be held in Toronto, Canada during the week of May 22-27, 1980. The symposium is sponsored by the AGU Ground-water Committee.

The program will focus on the use of laboratory measurements of hydraulic, geologic, geochemical, and engineering properties of aquifer materials in ground-water investigations. The session will not cover laboratory procedures and technology. Possible topics include statistical basis for assessing adequacy of sampling, analysis of primary versus secondary features, porosity and permeability relationships, use of dispersivity and distribution coefficients, physical models, effects of petrology and mineralogy, soil mechanics applications, experiences of reservoir engineering in the petroleum industry, and specific case histories.

For further information contact: Leonard Konikow, U. S. Geological Survey, National Center, MS 411 Reston, VA 22092 (703) 860-6904 or A. Ivan Johnson, Woodward-Clyde Consultants, Denver, CO 80204 (303) 573-7882

NEW PUBLICATIONS

So You Would Like To Be A Geologist

Dan Miller, State Geologist of Wyoming (CPGS 64) has prepared an excellent flyer approximately 6½ pages in length which is entitled So You Would Like To Be A Geologist! Copies of this are available at no charge from the Wyoming Geological Survey at Laramie. This is an excellent piece of work and Dan is to be commended for another fine contribution to our profession.

AIPG WASHINGTON REPORT
Legislative and Regulatory Activity Watch List

Compiled monthly by your Legislative and Regulatory Committee, Russell Wayland, Chairman, Washington, DC and AIPG Washington Legislative Counsel, James U. Hamersley & Gail L. Fairman, 1800 M Street NW, Ste. 1040, Washington, DC 20036 (202) 223-8200

SENATE AND HOUSE BILLS

<u>Bill No.</u>	<u>Description</u>	<u>Sponsors</u>	<u>Hearing Schedule</u>	<u>Committee Status</u>	<u>Final Deposition</u>	<u>AIPG Input</u>	<u>AIPG Position</u>
HR 3636	Alaska Lands	Udall (D-AZ)	Completed	Endorsed by Carter Admin. & conservation interests	Passed House as HR 39 with language of HR 3651	Previous Testimony	
HR 39	Alaska Lands	Jackson (D-WA)	Senate Emer. Committee completed	Further delay anticipated. May reach Floor April-May. Filibuster threatened if Tsongas amend. passes.			
Amend 626	Environmentalists alternative to S9 - Similar to land area withdrawal in House Bill.	Tsongas (D-MA)					
S 1176	Alaska Lands Would restrict executive's ability to withdraw lands	Gravel (D-AK)	Completed	Park Subcomm. (Senate Energy)			
Bill to be intro.	RARE II Lands (roadless area review evaluation) Numerous bills dealing with individual areas or states			Senate passed Idaho Bill S2009 OR Bill S2031. Latter likely to die in House Interior due to release language House passed HR5487, Colorado & S. Dakota		Testimony 2-8-79	Geological evaluation for future potential required before any land withdrawals. AIPG opposes passage of bill
S 2112	Reinstate Prof. Surveyor in Surface Mining Act	Thurmond (R-SC)	None Sched.	Pending in SubComm. on Energy & Nat. Resources			
S. 1403	Surface Mining Act Amend to insert Prof. Surveyor	Jackson (D-WA)	None Sched.	Stalled in House Inter. Committee	Passed Senate	Previous Test.	
HR 6070	Direct Mult. Use Mgmt. for lands not wilderness or RARE II not acted on by certain date	Foley (D-WA)	None Sched.	Pend in Agri. Comm. & Interior Comm. Udall (D-AZ) & Seiberling (D-OH) in Interior likely to bury bill			
HR 3919	Windfall Profits	Ullman (D-OR)	Completed.	In Conference. Conferees tentatively set bill at \$227 billion before break		\$277 billion version passed House. Senate passed \$177 billion	AIPG opposes divestiture
S 1246	Petroleum Industry Competition Act	Metzenbaum (D-OH)	Completed	Pending for Senate.			
HR 8	Prevents 8 major oil companies from obtaining federal coal and uranium leases	Udall (D-AZ)		Nothing further scheduled; pending Energy & Envir. SubComm	Defeated in late June by 2-1 margin as an amendment to Morehead synfuels bill (HR 3930)		
S. 1637	Onshore Oil & Gas Leasing (Embodies Administrations proposal)	Jackson (D-WA)	Nothing scheduled	Pending Energy Res. Subcomm. (House Interior)			
S 493	Deep Seabed Mining Act	Melcher	Completed	Dec 14 passed Senate after agreement to an amend. in the nature of substitute		Previous Testimony	
HR 2759	Deep Seabed Mining Act	Studds (D-MA)	completed	Admin. deal that House not vote on S.493 until April to avoid harmful impact on next round of Law of the Sea talks. House Comm. spokesman states comm. probably go with HR 2759			

NEW PUBLICATIONS (Cont.)

A great deal of material is covered in these pages talking about different career possibilities, employment outlook and salaries, the various branches of geology and the personal attributes of a professional geologist. I am sure that you would enjoy looking this over and it might be extremely useful to many of us when people ask us about whether or not they should study geology.

Professional Library for the Coal Industry

The Center for Professional Advancement maintains a professional library of publications relating to most aspects of the coal industry. Topics range from the chemistry and physics of carbon to coal resources, characteristics and ownership in the U. S. If interested, a publication list may be obtained from: Professional Library for the Coal Industry, The Center for Professional Advancement, P. O. Box 994, East Brunswick, NJ 08816.

The Caledonides in the U.S.A.

Geological excursions in the northeast Appalachians, 250 pages, edited by James W. Skehan, S.J. (CPGS 1505) and Philip H. Osberg. Single copy price is \$12.00 in U.S. and \$13.50 outside U.S. Two to ten copies are \$10.00 each. Quantity purchase price available on request. Make checks payable to: IGCP Field Guide and send orders to IGCP Field Guide, c/o Weston Observatory, Dept. of Geology and Geophysics, Boston College, 381 Concord Road, Weston, MA 02193.

Puddingstone, Drumlins and Ancient Volcanoes

A geologic field guide along historic trails of greater Boston, 63 pages, by James W. Skeham, S.J. (CPGS 1505). Single copy price is \$4.00. Two to ten copies are \$3.50 each and 11 to 25 copies are \$3.00 each. Quantity purchase price available on request. Make check payable to WesStone Press and mail orders to: M. L. Gannon, President, WesStone Press, Box 561, Dedham, MA 02026.

Diamond-Bearing Kimberlite

There are two new publications available from the Geological Survey of Wyoming which deal with the diamond-bearing kimberlites. These new publications are Report of Investigations No. 19 entitled: Exploration for Diamond-Bearing Kimberlite in Colorado and Wyoming: An Evaluation of Exploration Techniques and the second publication is Reprint No. 36 entitled Preliminary Report on Exploration for Diamondiferous Kimberlites, Colorado-Wyoming. Both of these are recently published. A reminder that a previous publication came out in 1976; this was Report of Investigation No. 12 and entitled Diamond In State-Line Kimberlite Diatremes Albany County, Wyoming; Larimer County, Colorado. All of these publications are available from the Geological Survey of Wyoming, P. O. Box 3008, University Station, Laramie, WY 82071.

Proceedings of the Second International Conference on Basement Tectonics

Newark, Delaware, July 13-17, 1976. Editors Melvin H. Podwysoki and Janet L. Earle. Order from: Basement Tectonics Committee, P. O. Box 8568, Denver, CO 80201. Price: \$30.00 - Overseas \$31.75

NEW PUBLICATIONS (Cont.)

Northeastern Geology

A new publication entitled Northeastern Geology has just been started. The purpose of this journal is to publish regional papers on the geology of the Northeast. Its first volume has appeared as a single issue in October, 1979. Two issues will compose Volume 2 to appear in 1980. Subscription for 1979 is \$6.00 and for 1980 \$7.00.

For subscriptions and submission of manuscripts, write to Northeastern Geology, Dept. of Geology, Rensselaer Polytechnic Institute, Troy, NY 12181.

Principles of Sedimentology

Authored by Gerald M. Friedman, CPGS 1531, Rensselaer Polytechnic Institute and John E. Sanders, Barnard College.

In this synthesis, material has been used not only from stratigraphy and sedimentology, but also from physics, chemistry, geophysics, geochemistry, organic geochemistry, oceanography, biology (physiology of skeletal secretion and microbiology), engineering, environmental geology, tectonics, paleoecology, petroleum geology, log analysis, economic geology, statistics, and mathematics. The book progresses from emphasis on individual particles in modern sediments and in the rock record of how particles form, accumulate, and are modified as a result of physical, chemical, and biological processes, both on the surface and in the subsurface.

The problems and techniques of studying subsurface strata are repeatedly emphasized and related to exploration for oil, gas, water, and mineral deposits.

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An Official Publication of the
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